

Directions: Please complete shaded areas below.

Department Name: Miami-Dade Police Department (MDPD) Project Name: Rewrite of Antiquated Desupported MDPD Applications Project Amount: \$354,000 = \$220,000 for Consultant Personnel Costs plus \$134,000 recurring yearly for request to hire two new Systems Analyst Programmer 2 (SAP2) positions to work on project to rewrite these eight applications and for post production on-going support of these nine applications Preparer Name & Contact Information: Ana Gispert, phone: (305) 471- 1818 Project Type: Please check (√) one.		
<input type="checkbox"/> Enterprise <input type="checkbox"/> Communities of Interest <input checked="" type="checkbox"/> Department Specific		
Funding Source: Please check (√) one.		
<input checked="" type="checkbox"/> GF Operating <input type="checkbox"/> GF Capital <input type="checkbox"/> IT Administrative Fee		
<input type="checkbox"/> Proprietary Operating/Capital		
Mandated Requirement: (If yes, please indicate who is mandating the request as well a the time frame)		
<input type="text" value="2"/> Department Priority of Initiative (1, 2, 3, etc.)		

Section A

Background:

Provide any relevant background information to include existing investments in the proposed project. If applicable, please include any information explaining why this is a mandated project.

The Miami-Dade Police Department (MDPD) Systems Development Bureau (SDB) is currently responsible for the support of the Personnel Profile System (PPS) that almost every MDPD entity relies upon for creating and producing rosters for their personnel. Additionally PPS is critical for Communications Bureau (CB) and Professional Compliance Bureau (PCB) for immediate access to emergency contact information, names, addresses, and phone numbers, among other critical information. It is also used during Command post activities and hurricanes for immediate information reporting purposes to effectively have the personnel information required to manage events requiring appropriate MDPD personnel allocations.

PPS is written in an antiquated version of Microsoft Access that is no longer supported by Microsoft. In addition, the PPS application goes down a minimum of five times a month due to the nature of files getting hung up in this older client/server architecture, for which no vendor patches are available to correct this problem. When the system gets locked up, all PPS users go down and, upon correcting, it requires forcing all MDPD users off the system in order to bring the system back online. This is a tremendous and constant impact on PCB and CB personnel to not have this critical PPS information

available during these constant outages, not to mention the impact on SDB. There is a great concern that one day this system will not be able to brought back up successfully, due to desupported components of the older version and compatibility problems with newer Windows operating systems.

Six additional Access applications rely on PPS data and require system rewrites as follows: Transfer Request System (36 days to rewrite @\$85/hour plus work by new SAP2s), Uniform Allowance (60 days to rewrite @\$85/hour plus work by new SAP2s), Weapons Inventory (101 days to rewrite @\$85/hour plus work by new SAP2s), Equipment Tracking (45 days to rewrite by new SAP2s exclusively), Vehicle Tracking (45 days to rewrite by new SAP2s exclusively), and PPS (125 days to rewrite @\$85/hour plus work by new SAP2s).

Problem Statement:

Define the problem, need, or opportunity.

PPS is critical for Communications Bureau (CB), Professional Compliance Bureau (PCB), and other MDPD entities for immediate access to emergency contact information, names, addresses, and phone numbers, among other critical information. It is also used during Command post activities and hurricanes for immediate information reporting purposes to effectively have the personnel information required to manage events requiring appropriate MDPD personnel allocations.

Before PPS (125 days to rewrite @\$85/hour plus work by new SAP2s) can be rewritten, six other antiquated desupported applications, that rely on PPS data files must also be converted and rewritten prior to or concurrent with the PPS rewrite. It has been estimated to take 609 person days to complete these seven application system rewrites by consultant personnel along with two new SAP2 positions.

Solution:

What is the proposed solution?

Consequently, it is recommended to contract temporary consultant personnel experienced in Oracle database and web development in conjunction with concurrently hiring two new SAP2 SDB positions at an estimated cost of \$67,000/year (including fringe benefits) times two positions to begin work on the required system rewrites. Additionally, once the rewrites are completed, these two permanent SAP2 positions will be able to support future maintenance requests and production support issues for these nine new applications.

Expected Benefits / Direct Payback:

State the benefits of solving the problem or reaching the goal. Hints: "How the project will reduce costs (perhaps from reducing redundant tasks such as data entry), better decision making at each step of a process (perhaps due to more accurate and timely information), or improved efficiency (thanks to fewer steps to process a transaction).

Specify collective benefits and identify benefits that are specific to each stakeholder. Wherever there are metrics (numbers or targets) for improvement, be sure to include them. Examples: "Reduce communications costs by 20%" or "Increase revenues by \$1,340,500 in fiscal year 2007.

By providing knowledge transfer from experienced Oracle database and web development consultants to newly hired SAP2 positions, you not only complete the required system rewrites, but you also gain two experienced Oracle SAP2 programmers upon completion of this project for supporting just completed system rewrites and for writing new web applications in the future as required by MDPD, for application system requests pending in queue from MDPD Court Services Bureau for additional automated system productivity gains. Once these new SAP2 positions are hired and provided knowledge transfer via this project completion working together, future savings by using these permanent SAP2 positions at approximately \$32/hour (including benefits) for future support and development verses \$85/hour for any future contractor work. The backlog will be reduced and permanent positions will be available at a better cost to MDPD in the future.